

Message

From: Fullagar, Jill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7BA061353C314B40A14A8BE1EE382AE3-GABLE, JILL]
Sent: 5/8/2017 6:01:24 PM
To: Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]
Subject: FW: DO methodology

I may need some help understanding this....

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From: URBANOWICZ Karla [mailto:karla.urbanowicz@state.or.us]
Sent: Thursday, May 04, 2017 5:57 PM
To: MCCONAGHIE James <james.mcconaghie@state.or.us>
Cc: STURDEVANT Debra <debra.sturdevant@state.or.us>; WIGAL Jennifer <jennifer.wigal@state.or.us>
Subject: DO methodology

James – Please see these documents for explanation of the selection of 200 uS/cm for determining when to apply the dissolved oxygen estuarine criteria application based on DEQ data analysis of data from pre-2002, and consistent methodology by DEQ and EPA to use conductivity with each result to determine applicable criterion.

Please correct your summary and characterization of the issue so that it is represented appropriately in discussions with DEQ programs and EPA about a DEQ's new standards interpretation on applying the DO estuarine criteria.

This will necessitate a change in the assessment methods, and potentially will change assessment conclusions for some coastal segments that were evaluated when conductivity indicated predominantly freshwater at the time of sample collection and were found impaired, but under less stringent estuarine criteria will be found to be attaining if evaluated only with that criterion. However, as seen from EPA's 2010 additions in particular, some of the waters will still be found to be impaired even when using the less protective estuarine criterion.

There may also be implications with permit and TMDL program applications of the DO criteria in coastal waters.

2002 Assessment Methodology p 24
[Consolidated Assessment and Listing Methodology for the Final 2002 303\(d\) List](#)

2004/2006 Assessment Methodology p 32
[Assessment Methodology for Oregon's 2004/2006 Integrated Report on Water Quality Status](#)

2010 Assessment Methodology p 39
[Methodology for Oregon's 2010 Water Quality Report and List of Water Quality Limited Waters \(May 2011\)](#)
See EPA methodology for additions p8 and summary of how conductivity data used.
[Enclosure 2: EPA 303\(d\) Listing Methodology](#)
See EPA 2010 additions for dissolved oxygen –

Millicoma River - listed for both cold water, and estuarine DO
Pistol River - listed for both cold water, and estuarine DO
Dougherty Slough - listed for both cold water, and estuarine DO
Klaskanine River - listed for both cold water, and estuarine DO

2012 Assessment Methodology p 46

Methodology for Oregon's 2012 Water Quality Report and List of Water Quality Limited Waters (October 2014)

See EPA methodology citing use of OR methodology for details on DO 2012 additions p 10

Enclosure 6: EPA Listing Methodology for Oregon 2012 303(d) List (PDF)

EPA listed one stream (South Slough below tide gate) for estuarine DO, all other listing in the coastal waters for cold water and spawning.

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